

IN THE CLAIMS

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Please add the new claims 23 – 44 as follows:

23(New). In a wireless communication system, a method comprising:

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- 2 transmitting a data frame;
 - transmitting a push-to-talk frame subsequent to the data frame; and
 - 4 transmitting a second data frame subsequent to the push-to-talk data frame.

24(New). The method as in claim 23, wherein the push-to-talk frame initiates a

- 2 push-to-talk communication.

25(New). The method as in claim 24, wherein the second data frame is directed

- 2 to a private network.

26(New). The method as in claim 23, further comprising:

- 2 identifying the second data frame as a push-to-talk frame for communication in the private network.

27(New). The method as in claim 23, wherein the second data frame is part of an

- 2 encrypted message, the method further comprising:

- identifying a packet boundary of the encrypted message.

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28(New). A program embodied on a computer-readable medium containing

- 2 computer-executable instructions to transmit a data signal structure embodied on a carrier wave, comprising:

- 4 a first set of instructions for generating a first data packet;
- a second set of instructions for generating a push-to-talk packet; and
- 6 a third set of instructions for generating a second data packet.

29(New). A mobile station capable of voice communications through a wireless

2 communication network, comprising:

a switch operative to generate push-to-talk signals;

4 a processor coupled to the switch, operative to generate a push-to-talk
data packet based on at least one of said push-to-talk signals; and

6 a transmitter coupled to the processor operative to send the push-to-talk
data packet to the wireless communication network.

30(New). The mobile station as in claim 29, further comprising:

2 a second switch coupled to the transmitter, the second switch operative to
select between normal operation and push-to-talk operation.

31(New). The mobile station as in claim 29, wherein the processor is further
2 operative to generate push-to-talk requests.

32(New). The mobile station as in claim 31, wherein the mobile station is
2 associated with a user that is a member of a push-to-talk private network and the
private network is identified by an access number; and
4 wherein the processor is further operative to generate authentication information
for confirming membership in a private network.

33(New). The mobile station as in claim 29, further comprising:

2 encryption means for encrypting data packets for transmission to the private
network via the wireless communication network.

34(New). The mobile station as in claim 29, wherein the mobile station is
2 operative to generate push-to-talk data packets interleaved with data packets.

35(New). The mobile station as in claim 34, further comprising:

2 vocoder means for converting voice data into compressed voice data
packets for transmission from the mobile station.

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36(New). A method for private network communications, comprising:

2 sending a push-to-talk request for initiating a push-to-talk communication
in a private network, wherein the private network is accessed via a
4 public switching telephone network; and
6 transmitting a push-to-talk data packet to at least one other user in the
private network.

37(New). The method as in claim 36, further comprising:

2 receiving a request for membership confirmation; and
confirming membership in the private network.

38(New). A mobile station for communicating through a wireless communication
2 network, comprising:

4 first means for transmitting signals in a normal operation to the public
switching telephone network; and
6 second means for transmitting signals in a private network operation,
wherein the second means generates push-to-talk type data packets.

39(New). A mobile station operative for communicating through a wireless
2 communication network, comprising:

4 switching means for switching between a normal operating mode and a
point-to-multipoint private network operating mode; and
6 second means for generating point-to-multipoint private network request
signals.

40(New). In a wireless communication system, a network call manager,
2 comprising:

4 a network controller operative to process and route data packets
transmitted within the wireless communication system; and
6 a push-to-talk controller operative to process and route push-to-talk
requests and private network data packets.

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41(New). The network call manager as in claim 40, wherein the push-to-talk
2 controller stores at least one access number associated with a first private
network.

42(New). The network call manager as in claim 40, wherein the push-to-talk
2 controller stores at least one access number associated with a second private
network.

43(New). The network manager as in claim 40, wherein the push-to-talk
2 controller is operative to receive more than one push-to-talk communications ,
wherein push-to-talk communications are processed according to an associated
4 priority of each push-to-talk communication.

44(New). A wireless communication system, comprising:
2 a network call manager for facilitating private communications
simultaneously among a plurality of mobile users, at least some of said
4 plurality of mobile users being members of a private network, the
network call manager comprising:
6 means for receiving a point-to-point transmission comprising a
plurality of voice data packets and a point-to-multipoint
8 transmission comprising a plurality of private network data
packets;
10 means for directing point-to-point transmissions;
means for receiving a request for a point-to-multipoint transmission
12 to the private network;
means for directing the point-to-multipoint data packets to the
14 private network in response to the request; and
a private network of mobile stations operative to transmit
16 point-to-point transmissions and point-to-multipoint
transmissions.

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